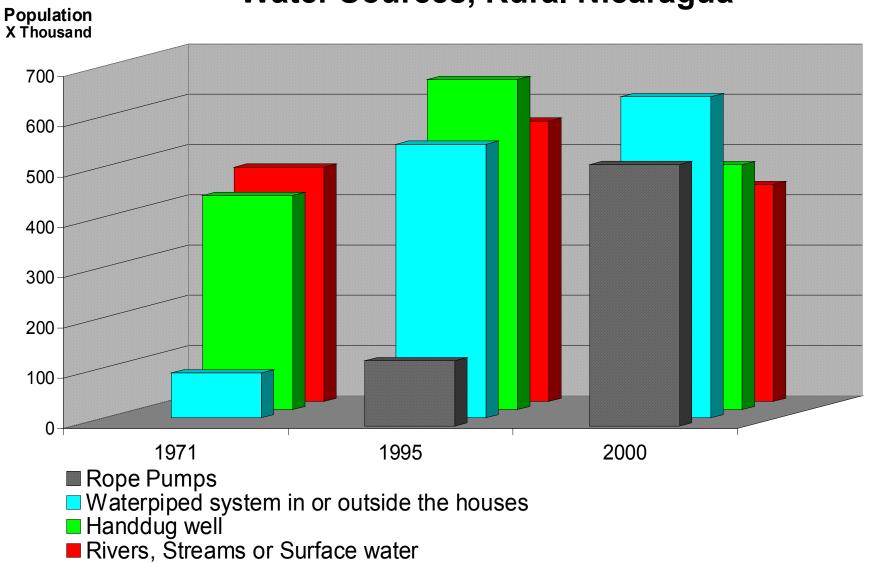
VILLAGE POWER 2000

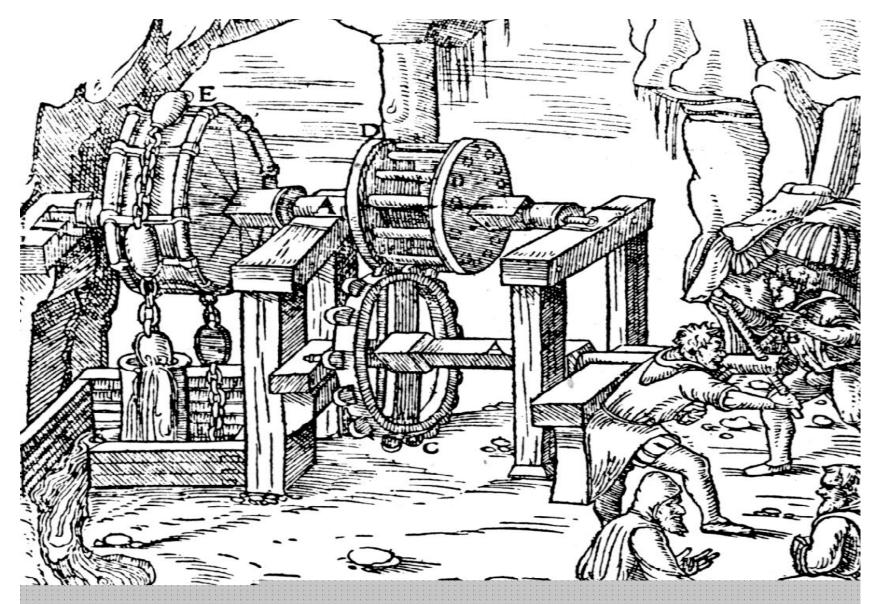
December 4 - 8, 2000 Clean Water Delivery. Thursday, December 7.

Community Rope Pumps in Nicaragua; a Private Sector Approach

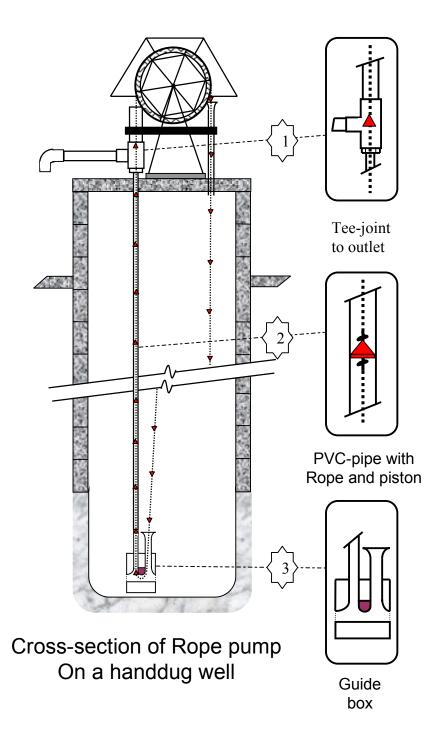
By: Henk Alberts.

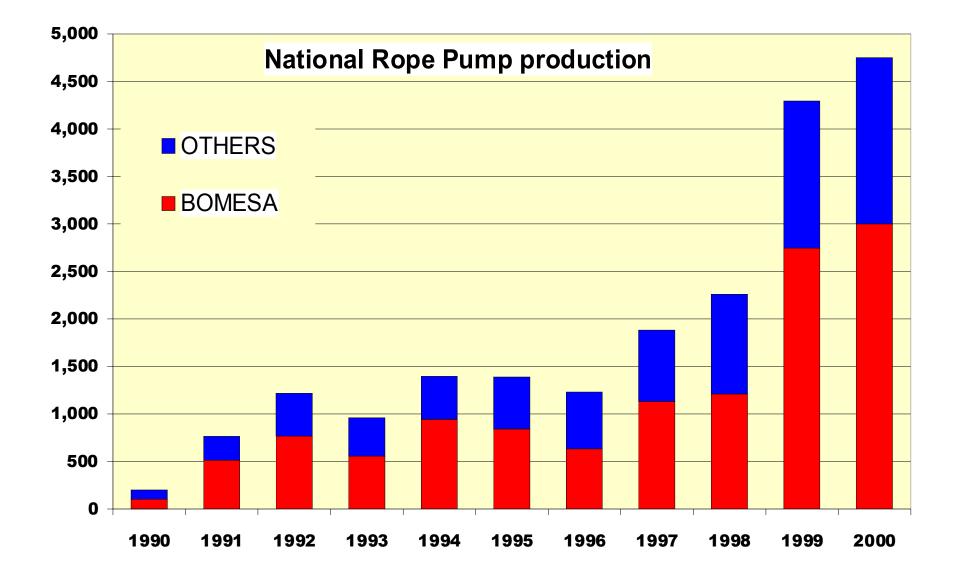
Water Sources, Rural Nicaragua





16th Century Chain and Washer Pump





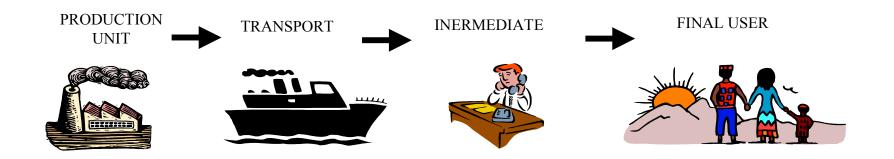
FAVOURABLE CHARACTERISTICS.

- High social acceptance.
- High efficiency and availability.
- Easy installation, repair or maintenance. (By users themselves).
- Local production and availability of spare parts.
- Applicable up to 60 meters depth in handdug wells or boreholes.
- Low cost, starting at 70 US\$ for the family rope pump.

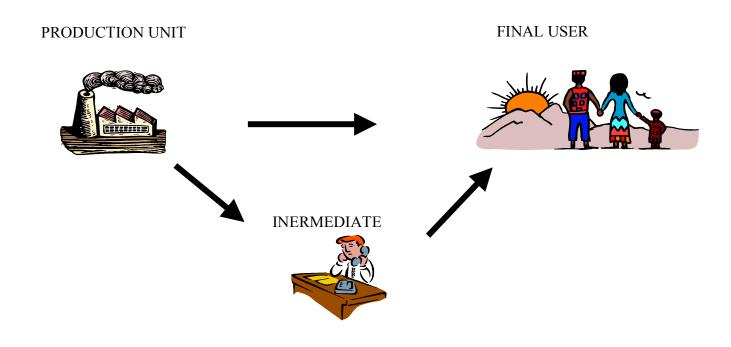
International results of the Technology Transfer

- Honduras: Local production unit; 2000 pumps installed.
- El Salvador: 2000 pumps installed, mainly imported from Nicaragua.
- Ecuador: Several hundreds installed, started around 1993.
- Laos: Several dozens local made and installed. Selection process of workshops in progress.
- Madagascar: Three pumps installed.
- Angola: Three pumps installed or to be installed.
- Zambia: Six pumps. Four installed.
- Ghana: 100 pumps locally produced and installed. (WSP initiative).
- ROPE PUMP POLICY WORKSHOP to be held in Nicaragua May 2001. Convoked by the Hand Pump Technology Network (HTN).

TRADITIONAL HANDPUMP "SUPPLY CHAIN"



ROPE PUMP "SUPPLY CHAIN"



The Ghana initiative.

The four actors are:

CWSA Community Water ans Sanitation Agency (Ghana)

WSP Water and Sanitation Programme (UNDP/World Bank)

Private Sector Two workshops in Ghana

Private sector Rope pump firm in Nicaragua.

Programme:

Preparatory Reconnaissance mission top Ghanaian W&S sector to Nicaragua

Phase 1. Technical assistance and Selection workshops in Ghana

Phase 2 Training technicians in Nicaragua

Phase 3. Production and installation

Quality control.

Results: One hundred pumps installed.

Technical capacity to produce rope pumps in Ghana.

The perfect success story